

Joint Service Lightweight Integrated Suit Technology (JSLIST)

DESCRIPTION

The JSLIST will provide the wearer with protection from the effects of NBC contaminants and Toxic Industrial Material (TIM) in any form or state. The JSLIST will be an integrated ensemble consisting of a protective garment (with/without a hood), footwear and gloves; and be compatible with the protective mask currently in inventory and those in development. The garment will be suitable for wear while performing combat operations, whether on land or at sea, in any climate, with minimal impact on combat effectiveness. JSLIST will be designed to permit efficient communications, and it must be compatible with existing and planned clothing and equipment including load-bearing equipment, helmets (cranial protection), handwear, footwear, body cooling systems, and protective masks of the respective

Services and Special Operations Forces (SOF). The garment may be worn over undergarments, over the combat uniform and combat boots, or under/over cold weather clothing. The garment will be designed to reduce psychological, physiological, and heat stress. The JSLIST will be capable of being decontaminated and laundered. Each component is based on state-of-the-art material technologies that have undergone extensive user evaluation, field and laboratory testing.



PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>29,096</i>	<i>29,563</i>

OPERATIONAL IMPACT

When combined with other personal and unit NBC defense clothing and equipment, the JSLIST provides an effective integrated individual protective system based on the threat and operational requirements. It will be wearable in all environments and climates with minimal degradation to combat effectiveness and communications capability. JSLIST provides the highest level of protection against current CB threats while reducing heat stress, weight, and bulk to a minimum. Balancing CB protection and heat stress management with Service-defined mission

requirements optimizes user performance. The main thrust of the JSLIST program has been to develop the next generation CB protective system. However, considerable focus also remains on ensuring full compatibility and integration with developmental equipment such as new masks and body armor, and developmental systems such as Land Warrior, Air Warrior, Mounted Warrior, and the Marine Corps' Integrated Infantry Combat System.

PROGRAM STATUS

JSLIST is the number one priority on the JSIG Program priority list. JSLIST is in the initial fielding phase and FOC is scheduled for FY07. This Marine Corps lead program is under the management of the four Service program managers. JSLIST has Joint participation in every aspect of the program from management, system planning, system and component design, material selection, test execution, and data assessment. The program structure and approval process has been configured to assure full user participation so those common and Service unique requirements are met. The Milestone III Decision occurred in April 1997 and production began in August 1997. The JSLIST P3I program has structured an iterative process that will allow for periodic technology insertion of tested and approved materials into the JSLIST production cycle such as the special operations requirements for an improved chemical protective glove and a chemical sock. Other JSLIST Preplanned Product Improvement (P3I) requirements include a 60 day over-garment, 30 day over-garment, with and without hood, 7 day over-garment and undergarment with Fire Retardant (FR) characteristics.

DEVELOPERS/MANUFACTURERS

Creative Apparel, Belfast, Maine

Group Home Foundation, Belfast, Maine

NCED, El Paso, Texas

Trade winds Inc., Gary, Indiana